AXMINSTER POWER TOOL CENTRE

Small System Dust Extractor

Part no. 200063

User manual

200063

AXMINSTER WHITE

AXMINSTER POWER TOOL CENTRE

Axminster Devon EX13 5PH UK

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CE 2003

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Part No. 200063

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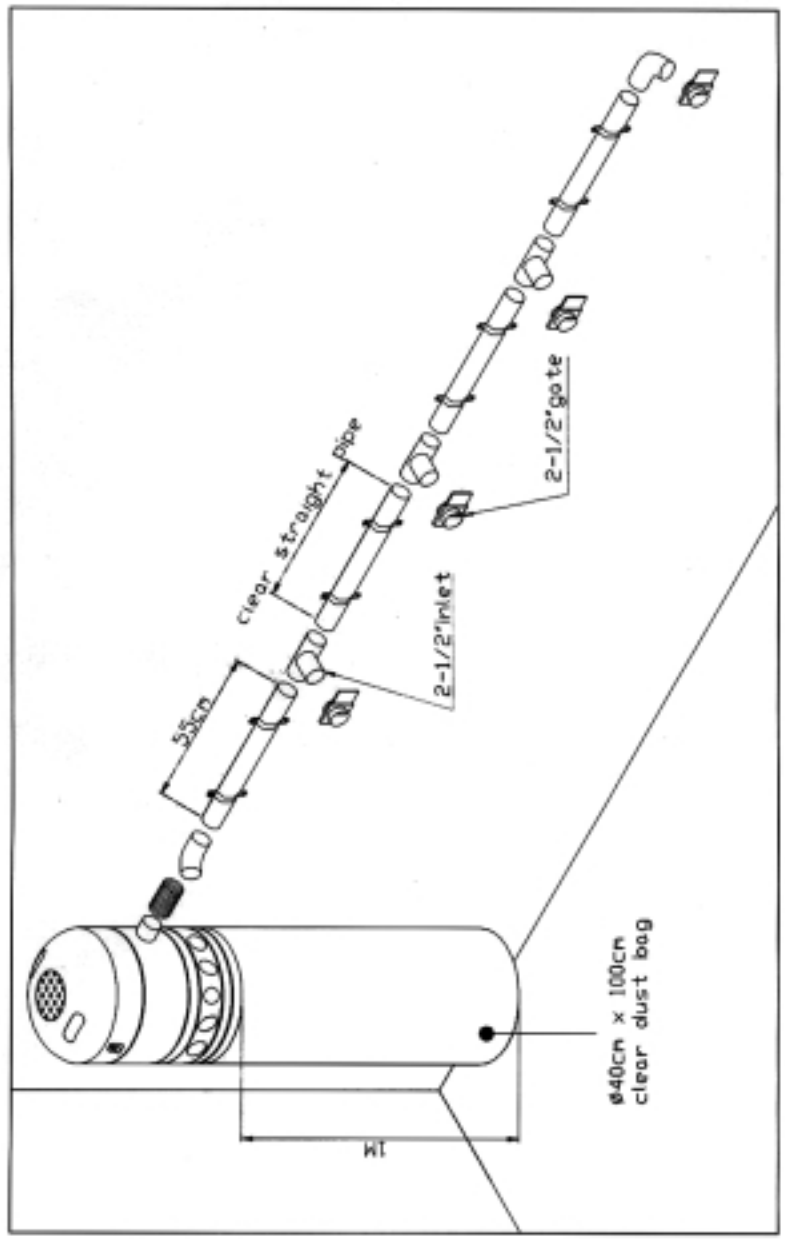
SAFETY!! **The symbols shown on the cover of this manual advise that you wear the correct safety protection when using this machine.**

Safety Protection Symbols

AXMINSTER POWER TOOL CENTRE

Dust Extractor System Layout...



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REF.NO.	PART NAME	Q'TY
1	UPPER COVER	1
2	SWITCH	1
3	MOTOR	1
4	MOTOR CORD	1
5	POWER CORD	1
6	MOTOR GASKET	1
7	MOTOR COVER	1
8	5/16"x3/4" HEX SCREW	4
9	5/16" FLAT WASHER	4
10	IMPELLER	1
11	5/16" WASHER	1
12	5/16"x3/4" HEX SCREW	1
13	M4.2x12mm PHILLIPS HEAD SCREW	12
14	DRUM	1
15	1/4"x3/4" HEX SCREW	4
15A	1/4"xOD19x2t FLAT WASHER	4
16	STRAIN RELIEF BUSHING	1
17	DRUM BRACKET-LEFT	1
18	DRUM BRACKET-RIGHT	1
19	5/16"xOD18x1.5t FLAT WASHER	8
20	5/16"x3/4" HEX SCREW	8
21	INLET	1
22	M4.2x12mm PHILLIPS HEAD SCREW	4
23	FILTER BAG	1
24	FILTER BAG CLAMP	1
25	BAG CLAMP	1
26	COLLECTION BAG	3
ASSY.	STRAIGHT PIPE	4
	T TYPE CONNECTOR	3
	GATE	4
	CONNECTOR	12
	45 DEGREE ELBOW	2
	CONNECTOR	8
	HOSE CLAMP	2
	2-1/2"x3ft FLEXIBLE PIPE	1
	M4x20 PHILLIPS HEAD SCREW	16
	M4x1" WALL ANCHOR	16
	8#1-1/4" PHILIP HEAD SCREW	4
	1/4"x1-1/4" WALL ANCHOR	4

Copied from CE Certificate

The undersigned, D. van Aalderen authorised
by San Ford Machinery Co. Ltd.
No. 161-7 Chung Shan Rd,
Feng Yuan, Taichung Taiwan R.O.C.

declares that this product:

SFCA-200

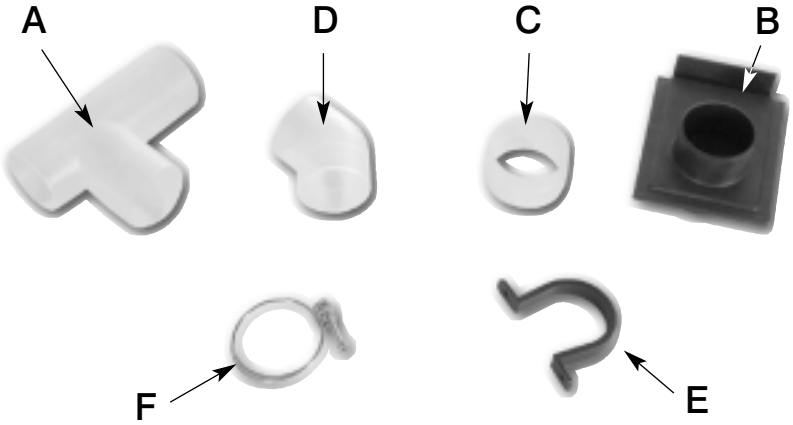
manufactured by San Ford Machinery Co.is in
compliance with the following standards or
standardisation documents in accordance with
Council Directives

EN 292-1, -2; EN 1050; EN 294; EN60204-1

98/37/EC; 73/23EC

What's in the Box...

Model Number:		SFCA-200
1 No.	Motor/Body/Filter unit	
1 No.	Dust collection bag.	
1 No.	Bag mounting ring.	
1 No.	Quick release strap.	
1 No.	Hardware pack, wall mount brackets.	
4 No.	2 1/2" X 55cm straight pipe.	
3 No.	2 1/2" T connector.	A
4 No.	2 1/2" Blast gate.	B
12 No.	2 1/2" Connector.	C
2 No.	2 1/2" 45 degree elbow.	D
8 No.	Wall clamp.	E
2 No.	2 1/2" hose clamp.	F
1 No.	2 1/2" X 3' flexible hose.	
1 No.	Instruction book.	
1 No.	Guarantee card.	



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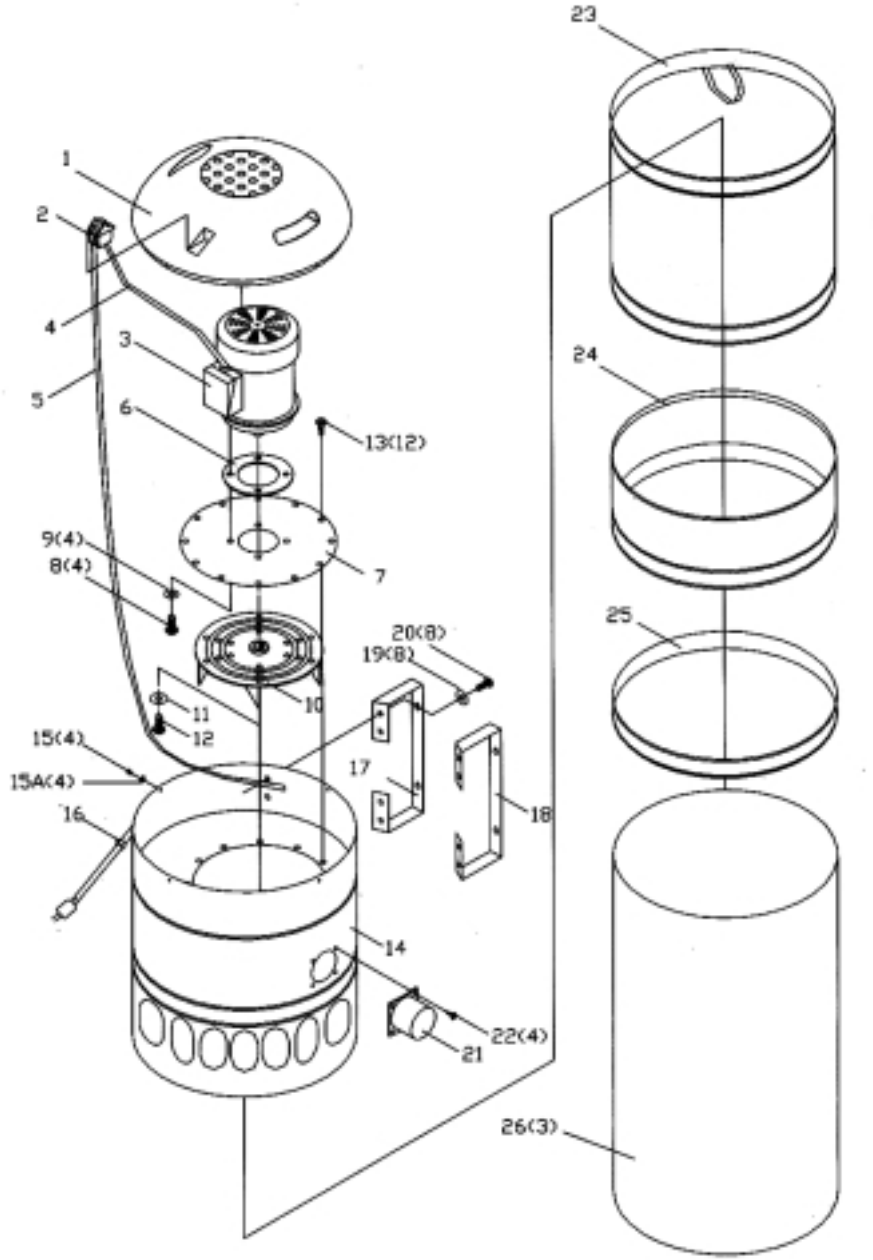
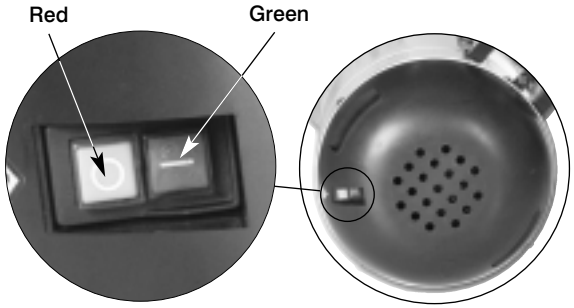
Parts Breakdown for the Dust Extractor...

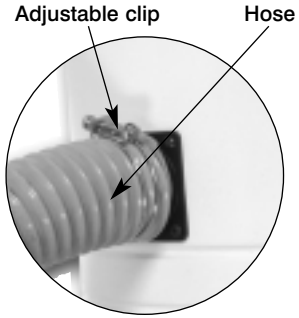


Switch location and operation...

The switch is of a No Volt Release (NVR) type, this means the switch will turn itself off if there is an interruption to the power supply.

To operate, simply press Green for go, Red to stop.





Input hose connection

Fasten the flexible hose with adjustable clip provided.

Routine Maintenance...

Disconnect the Machine from the Mains Supply.

The dust collection bag is reusable many times, replacements when required are available from your supplier.
Empty the collection bag before it overflows, wear a dust mask whilst removing and emptying the bag.

Weekly

- Check the inlet and outlet ducts, remove any accumulated debris.
- Check the inlet hoses for splits and cracks, repair as necessary.
- Check the dust collection bag for wear and tear, especially around the neck at the jubilee clip. If wear or fraying is occurring, replace the bag.
- Check the motor for dust, sawdust, shavings etc, build up. If this has occurred, blow out with L.P. air or clean with a vacuum cleaner. (If 'blowing out' remember to wear eye protection and dependent on the type of dust, consideration should be given to face masking).

Monthly

- Carry out the weekly checks

Dependent on usage consider vacuuming the filter to prevent clogging.

General Instructions for 230v Machines...

Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.

WARNING!! KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN

Mains powered Tools and Machines

These machines are supplied with a molded 13 Amp Plug and 3 core power cable. Before using the machine inspect the cable and the plug to make sure that neither are damaged. If any damage is visible have the damaged item inspected/repaired by a suitably qualified person. If it is necessary to replace the plug, it is preferable to use an 'unbreakable' type that will most resist damage. Only use a 13 Amp plug, and make sure the cable clamp is tightened securely. Fuse as required. If extension leads are to be used, carry out the same safety checks on them, and ensure that they are correctly rated to safely supply the current that is required for your machine. Remember, most machines or tools have handles or holding positions, the power cable is not one of them!

Work Place/Environment

The machine is not designed for use outside. Keep the machine clean; it will enable you to more easily see any damage that may have occurred. Clean the machine with a damp soapy cloth if needs be, do not use any solvents or cleaners, as these may cause damage to any plastic parts or to the electrical components.
Keep the work area as uncluttered as is practical, this includes personnel as well as material.

Under no circumstances should **CHILDREN** be allowed in work areas.
It is good practice to leave the machine unplugged until work is about to commence, also make sure to unplug the machine when it is not in use, or unattended. To avoid inadvertent 'start up'; if your machine is not fitted with a NVR system, ensure the switch is always returned to the OFF position. Once you are ready to commence work, remove any tools, objects or items that could inadvertently get 'sucked up' by the machine (if any) and place safely out of the way.

Re-connect the machine, ensuring the power cable is not 'snagged' or routed where it could be tripped over as you move about the workshop; it is not too close to an unguarded heat source, or is laid over or around a sharp edge.

If the work you are carrying out is liable to generate flying grit, dust or chips, wear the appropriate safety clothing, goggles, gloves, masks etc. If the work operation appears to be excessively noisy, wear ear-defenders. If you wear your hair in a long style, wearing a cap, safety helmet, hairnet, even a sweatband, will minimise the possibility of your hair being caught up in the rotating parts of the machine, likewise, consideration should be given to the removal of rings and wristwatches if these are liable to be a 'snag' hazard. Consideration should also be given to non-slip footwear, etc.

General Instructions for 230v Machines...

DO NOT *work with cutting or boring tools of any description if you are tired, your attention is wandering or you are being subjected to distraction. A deep cut, a lost fingertip or worse; is not worth it!*

DO NOT *use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases. There are very expensive, very specialised machines for working in these areas,* ***THIS IS NOT ONE OF THEM.*** *Above all,* ***OBSERVE....*** *make sure you know what is happening around you, and* ***USE YOUR COMMON SENSE.***

IT IS RECOMMENDED THAT YOU WEAR EAR PROTECTION IF YOU ARE USING THIS MACHINE.

Specific Safety Considerations for Dust Extractors...

WARNING!!

Do not uplift workshop floor debris (stones, nails, screws, paper etc., etc).

Be aware that wood dust is an explosive medium. Do not allow any 'naked light' source to occur anywhere near the machine. This includes cigarettes, matches, etc, and do not place the machine near any unprotected light bulbs, that could possibly get broken.

The suction force is generated by a high-speed fan unit. This has the potential to amputate fingers, grab loose clothing (ties etc.,) and 'bat' large chips etc, at high speeds. Keep all guarding in place, and if access to the fan becomes necessary (due to blockage etc.,) disconnect the machine from the mains supply and ensure the fan has come to a complete stop before putting your hands anywhere near to it. If you are not using 'clear' extraction hose, periodically remove the hose to check that the inlet to the machine is not getting restricted.

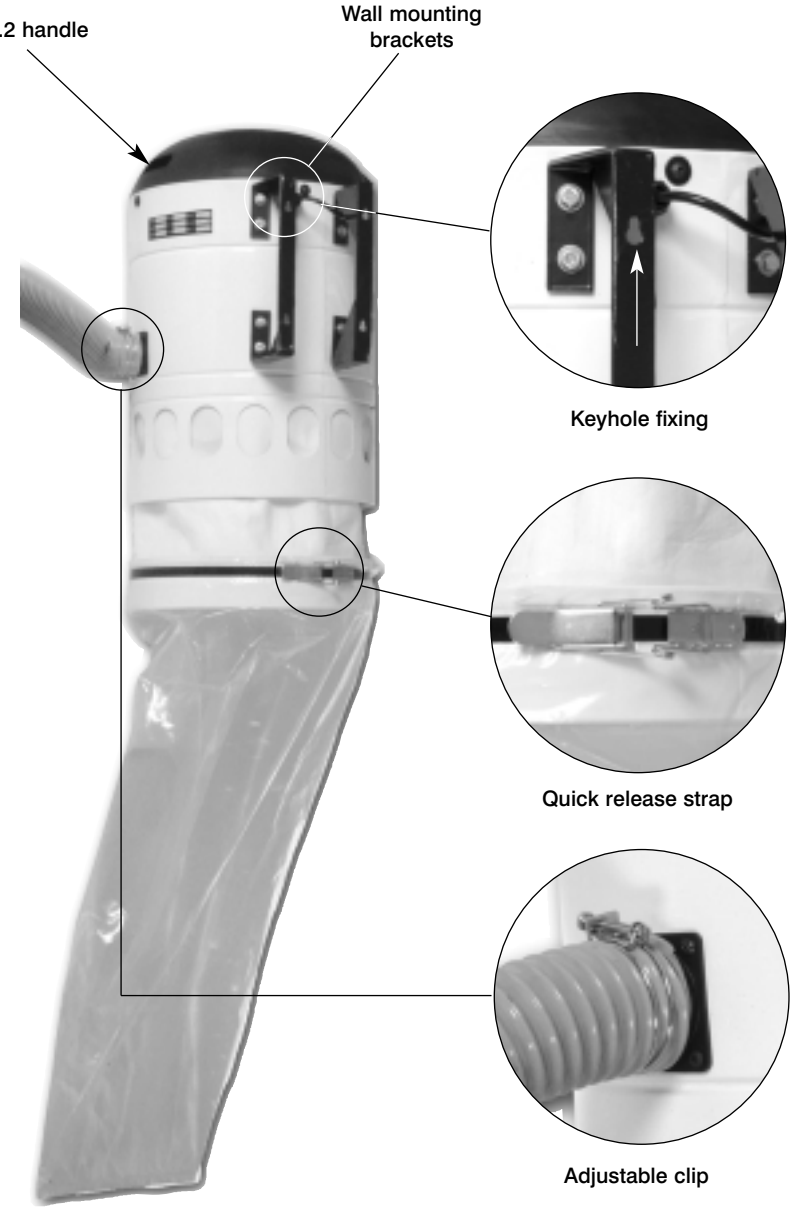
Keep the dust filter clean. The machine relies on its ability to 'blow' air through the dust filter, to generate good suction. If the cloth of the filter starts to clog, this reduces the airflow and hence the machine becomes less efficient. (A good indicator is the speed at which the filter inflates and how firm it feels; quick inflation and a very firm feel means that the filter is clogged and the air is having difficulty passing through the cloth. You should feel a definite flow through the vents). The filter can be cleaned, and one of the simplest methods is to vacuum the filter from the inside.

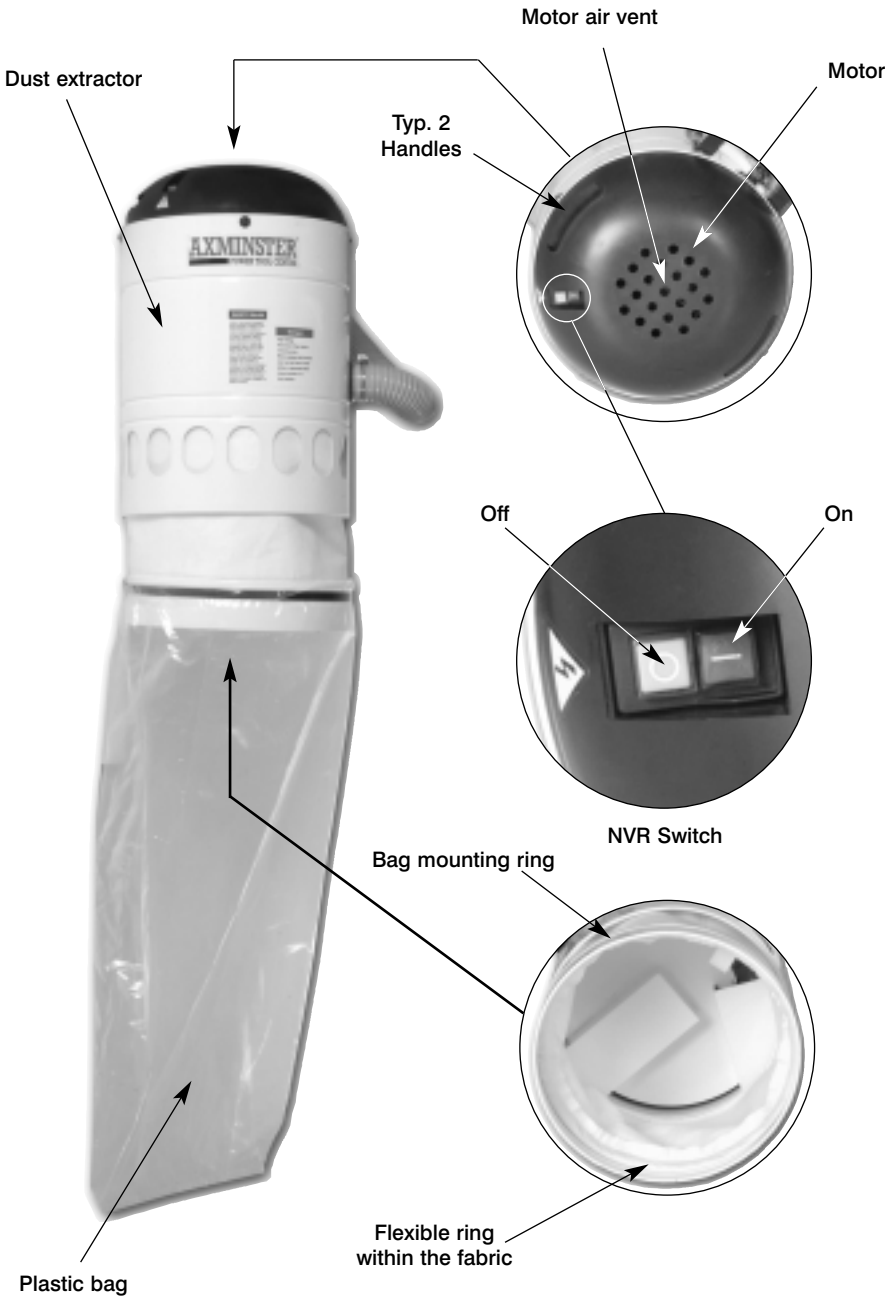
Be aware that in dry air periods or areas, the movement of the air through the machine can generate static electric fields. These are not normally a problem as the machine is bonded together via its construction, and the whole is earthed back through the electrical supply; problems can occur with isolated items, such as stands or hosing that are insulated from the ground (standing on rubber feet?, suspended in the air? etc).

If possible, try to connect everything together electrically, to eliminate static shocks. Try to route the power cable and the hosing away from busy walkways.

Do not allow the inlet to become 'dead ended', or block or restrict the outlet, this puts undue work on the motor and can lead to overheating.

Illustration and Parts Description...





Please refer to the Assembly Drawing if you experience difficulties, this will enable you to more readily identify those parts of the machine to which we will be referring. Having unpacked your SF-CA-200 machine and all its components, please check against the 'What's in the box' list above. If any parts are missing please contact your supplier or our Customer Services personnel straight away using the numbers listed in the Axminster catalogue. Having unpacked the machine and checked it over, please store the packaging for a short period in case the machine needs to be returned to your supplier or ourselves for any reason.

The machine comes largely assembled, the exception being the mounting of the wall brackets and dust collection bag.

PLEASE NOTE. This machine weighs 27kg net and considerably more when the dust bag is full of material. You must make sure that the wall surface that you mount the machine onto is capable of carrying this load. Plasterboard and other dry wall linings will need some reinforcement or framework to carry the load.

Wall mount assembly

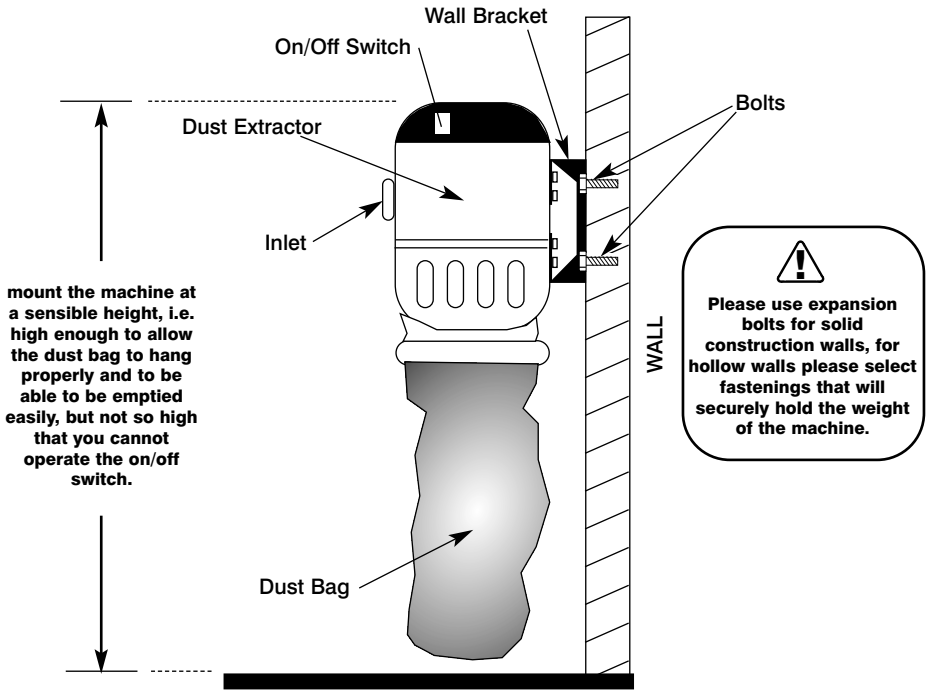
Bolt on loosely the two wall mount brackets using the 8 x 10mm bolts and flat washers provided. Please refer to the illustration to ensure you have them fitted the right way up and to make sure they present a flat surface to the wall. When you are certain you have them mounted correctly, tighten the bolts firmly. (see illustrations below).

Now you can measure the hole spacing dimensions and transfer them to your wall. Make sure you mount the machine at a sensible height, i.e. high enough to allow the dust bag to hang properly and to be able to be emptied easily, but not so high that you cannot operate the on/off switch.

Please use expansion bolts for solid construction walls, for hollow walls please select fastenings that will securely hold the weight of the machine. Make sure the screw threads of the fastenings will pass through the holes in the wall mount plates. If possible, use flat washers under the screw heads to spread the load.

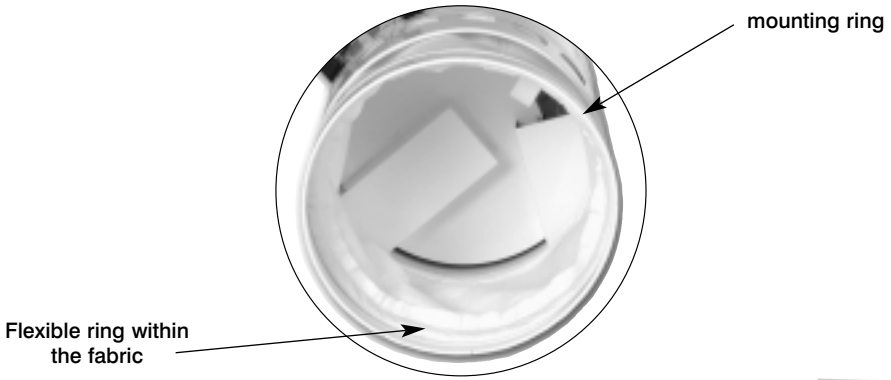
WARNING

When mounting the unit, we strongly advise you get the assistance of another person because of the weight of the machine.


Wall Bracket
On/Off Switch
Bolts
Dust Extractor
Inlet
mount the machine at a sensible height, i.e. high enough to allow the dust bag to hang properly and to be able to be emptied easily, but not so high that you cannot operate the on/off switch.
WALL
Please use expansion bolts for solid construction walls, for hollow walls please select fastenings that will securely hold the weight of the machine.
Dust Bag

Bag mount ring fitting

The lower edge of the filter has a flexible ring within the fabric; this fits behind a ridge inside the bag mount ring as illustrated below.



Collection bag mounting

Slip the bag over the bag mount ring and fasten into place by encircling the bag with the quick release strap, making sure the strap is placed into the groove of the mount ring. See illustrations below.

1 2 3

Specification...

Axminster No.	**200063**
Axminster Rating	*Light Trade*
Filter Rating	*1 micron*
Motor	*1 ph. 240v 50Hz 3/4HP*
Motor Speed	*2950 r.p.m.*
Inlet size	*2 1/2"*
Approximate Airflow	*340 mtr3/Hr.*
Footprint (bag fitted and extended)	*400mm X 484mm X 1830mm*
Weight	*27Kg*